

ABSTRACT OF THE DISCLOSURE

A semiconductor integrated device includes a plurality of power system circuit units, a first circuit unit 101 to which electric power is supplied from first power supply wiring 106, and first ground wiring 109 to which the first circuit unit is coupled. Moreover, the semiconductor integrated device includes a second circuit unit 102 to which electric power is supplied from second power supply wiring 113, and second ground wiring 116 coupled to the second circuit unit.

The first circuit unit includes a first interface circuit unit 104, and the second circuit unit includes a second interface circuit unit 111 configured to perform inputting or outputting of a signal to and from the first interface circuit unit. The first ground wiring is coupled to the second ground wiring through a protection circuit 117, and the second interface circuit unit is placed in the vicinity of the first interface circuit unit.